



FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.: INL-059

APPLICANTS: Shin *et al.*

SERIAL NO.: 10/625,984

FILING DATE: July 24, 2003

GROUP: Not yet assigned

U.S. PATENT DOCUMENTS

EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)							
an	C15	Baraona et al.: Effects of Alcohol and Polyenylphosphatidylcholine on Hepatic Nitric Oxide Production and its Peroxynitrite-Mediated Toxicity, <i>Alcoholism Clinical and Experimental Research</i> , Vol. 24, No. 5 Supplement, pp. 200A (2000) (Abstract only)						
an	C16	Bentley et al.: Activation of Superoxide Production and Differential Exocytosis in Polymorphonuclear Leukocytes by Cytochalasins A, B, C, D and E : Effects of Various Ions, <i>Biochimica et Biophysica Acta</i> , Vol. 678, pp. 238-44 (1981)						
an	C17	Cho et al.: Effects of Choline Chloride and its Analogues on Photosynthesis in Wheat Protoplasts, <i>Proceedings of the Fourteenth Annual Plant Growth Regulator Society of America Meeting</i> , pp. 131-34 (1987)						
EXAMINER		Albert Nogueraola			DATE CONSIDERED 9/16/06			

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
an	C18	Enami: Effects of Phenyl N-tert-Butyl Nitron and its Derivatives on Hepatocarcinogenesis in Rats Fed a Choline-Deficient, L-Amino Acid-Defined Diet, <i>Journal of Nara Medical Association</i> , Vol. 51, No. 6, pp. 468-482 (2000)
an	C19	Erecinska: Stimulation of the NA+/K+ Pump Activity During Electrogenic Uptake of Acidic Amino Acid Transmitters by Rat Brain Synaptosomes, <i>Journal of Neurochemistry</i> , Vol. 52, pp. 135-9 (1989)
an	C20	Farombi et al.: Antioxidant activity of palm oil carotenes in peroxyl radical-mediated peroxidation of phosphatidyl choline liposomes, <i>Redox Report</i> , Vol. 4, No. 1/2, pp. 61-68 (1999)
an	C21	Farombi et al.: Antioxidant activity of palm oil carotenes in organic solution: effects of structure and chemical reactivity, <i>Food Chemistry</i> , Vol. 64, No. 3, pp. 315-21 (1999)
an	C22	Farombi et al.: Evaluation of the Antioxidant activity and partial characterisation of extracts from browned yam flour diet, <i>Food Research International</i> , Vol. 33, No. 6, pp. 493-99 (2000)
an	C23	Fiedler et al.: Die Wirkung von Cholinchlorid auf den O2-Gehalt des arteriellen Blutes bei Lebererkrankungen, <i>Dtsch. Zeitschr. F. Verdauungs- i. Stoffwechselkrankheiten</i> , Vol. 26, pp. 79-84 (1966)
an	C24	Kaul et al.: Plant Polyphenols Inhibit Benzoyl Peroxide-Induced Superoxide Anion Radical Production and Diacylglyceride Formation in Murine Peritoneal Macrophages, <i>Nutrition and Cancer</i> , Vol. 35, No. 2, pp. 207-211 (1999)
an	C25	Nakae et al.: Preventive Effects of Various Antioxidants on Endogenous Liver Carcinogenesis in Rats Fed a Choline-Deficient, L-Amino Acid-Defined Diet, <i>Food Factors for Cancer Prevention</i> , pp. 92-97
an	C26	Phung et al.: Role of Antioxidants in Inhibiting Hepatic Fibrosis in a Murine Nutritional Model of Nash, <i>Hepatology</i> , Vol. 32, No. 4 (Abstract only)
an	C27	West et al.: Proton translocation by cytochrome oxidase in (antimycin + myxothiazol)-treated rat liver mitochondria using ferrocyanide or hexammineruthenium as electron donor, <i>Biochemistry Journal</i> , Vol. 236, No. 1, pp. 15-21 (1986)
an	C28	Wilson et al.: Protection by Antioxidants Against Arterial Sclerosis of Chronic Choline-Deficiency, <i>Experimental and Molecular Pathology</i> , Vol. 21, pp. 118-122 (1974)
an	C29	Wydrzynski et al.: Selective Inhibition of Photosystem II Reactions from Water Splitting to Q Reduction in Thylakoid Samples by Lauroyl Choline Chloride: Evidence from Fluorescence Transient Measurements, <i>Advances in Photosynthesis Research</i> , Vol. 1, pp. 437-40 (1984)
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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
an	A1	4,734,184	10/26/1993	Hurley et al.	204	409	
an	A2	5,256,571	10/26/1993	Hurley et al.	436	17	
an	A3	5,705,482	01/06/1998	Christensen et al.	514	12	
an	A4	6,143,545	11/07/2000	Clausen et al.	435	198	
an	A5	6,200,947	03/13/2001	Takashima et al.	510	402	
an	A6	6,482,416	11/19/2002	Munn et al.	424	2781	
an	A7	2003/0000833	01/02/2003	Mansouri et al.	204	402	

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EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
an	B1	649,396	02/28/1979	RU	A33K	1/14		NO	NO

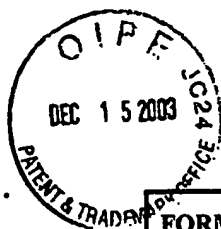
OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
an	C1	Dehlawi et al.: Choline Derivatives and Sodium Fluoride Protect Acetylcholinesterase against Irreversible Inhibition and Aging by DFP and Paraoxon, <i>Journal of Biochemical Toxicology</i> , Vol. 9, No. 5, pp. 261-268 (1994)							
an	C2	Ghoshal et al.: Prevention by Free Radical Scavenger AD ₃ of Prooxidant Effects of Choline Deficiency, <i>Free Radical Biology & Medicine</i> , Vol. 8, pp. 3-7 (1990)							
an	C3	Grattagliano et al.: Starvation Impairs Antioxidant Defense in Fatty Livers of Rats Fed A Choline-Deficient Diet, <i>The Journal of Nutrition</i> , Vol. 130, No. 9, pp. 2131-2136							
an	C4	Hiramatsu et al.: Free radicals, lipid peroxidation, SOD activity, neurotransmitters and choline acetyltransferase activity in the aged rat brain, <i>Free Radicals and Aging</i> , pp. 213-218							
EXAMINER <i>Ally Negeherah</i>					DATE CONSIDERED <i>16 Sept. 2006</i>				



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FORM PTO - 1449		ATTY DOCKET NO.: INL-059
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OTHER ART, JOURNAL ARTICLES, ETC.		
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
an	C5	Huntsman et al.: Nucleus-Specific Differences in GABA _A -Receptor-Mediated Inhibition Are Enhanced During Thalamic Development, <i>The American Physiological Society</i> 2000
an	C6	Jürgens et al.: Delay of copper-catalyzed oxidation of low density lipoprotein by in vitro enrichment with choline or ethanolamine plasmalogens, <i>Chemistry and Physics of Lipids</i> , Vol. 77, No. 1, pp. 25-31 (1995)
an	C7	Lippman: The Prolongation of Life: A Comparison of Antioxidants and Geroprotectors Versus Superoxide in Human Mitochondria, <i>Journal of Gerontology</i> , Vol. 36, No. 5, pp. 550-557 (1981)
an	C8	Meyer et al.: Effects of Peroxidation and Aging on Rat Neocortical ACh-Release and Protein Kinase C, <i>Neurobiology of Aging</i> , Vol. 15, No. 1, pp. 63-67 (1994)
an	C9	Saito et al.: Antioxidant Activity and Active Sites of Phospholipids and Antioxidants, <i>Journal of the American Oil Chemists' Society</i> , Vol. 74, No. 12, pp. 1531-1536 (1997)
an	C10	Williams et al.: Cerebral Microvessel Phospholipase A ₂ Activity in Senescent Mouse, <i>Neurochemical Research</i> , Vol. 19, No. 3, pp. 317-320 (1994)
an	C11	Wilson et al.: Vascular Damage and Lipid Peroxidation in Choline-deficient Rats, <i>Experimental and Molecular Pathology</i> , Vol. 18, No. 3, June 1973
an	C12	Wu et al.: Alzheimer's Amyloid-Beta Peptide Inhibits Sodium/Calcium Exchange Measured In Rat and Human Brain Plasma Membrane Vesicles, <i>Neuroscience</i> , Vol. 80, No. 3, pp. 675-684 (1997)
an	C13	Kruk: The use of biologically active substances in the freezing of boar semen, <i>Zootekhnika</i> , Vol. 10, pp. 28-30 (1996) (English abstract attached.)
an	C14	Storozhok et al.: Synergic Effects in the Combined Antioxidant Action of Phosphatidyl Choline with Native and Artificial Quinones, <i>VOPR. MED. KHIM</i> , Vol. 40, Issue 1 pp. 10-14 (1994)
EXAMINER		DATE CONSIDERED
an		9/16/06



FORM PTO - 1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: INL-059 (4643/104)

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U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
An	A8	2003/0062262	4/3/2003	Mansouri et al.	204	400	8/22/2002

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
An	B2	EP 03/62032	4/4/1990	PCT	—	—	9/21/1989	No	Y
An	B3	EP 08/72726	10/21/1998	PCT			4/15/1997	No	Y
An	B4	WO 93/21533	10/28/1993	PCT			4/16/1993	No	Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
An	C30	International Search Report for PCT/US03/23138 mailed November 25, 2003							

EXAMINER

2723356

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